SRC-7000

Touch Screen Smart Remote Control

User's Manual

041201

Preface

About this manual

This manual is designed to make using the SRC-7000 Smart Remote Control as easy as possible. Information in this document has been carefully checked for accuracy and is subject to change without notice.

Copyright

© Copyright 2005
This document is protected by the international copyright law. No part of this publication may be reproduced by any means without the permission of SUNWAVE Technology Corporation in Taiwan.

The information provided from SUNWAVE Technology Corporation is believed to be accurate. Any changes and enhancements to the product and to the information thereof will be documented and issued as a new release to this manual.

Trademarks

Other product names mentioned in this manual are used for identification purposes only. All trademarks and registered trademarks are the property of their respective owners.

Table of Contents

Preface i

Table of Contents 1

Chapter 1 Introduction to the SRC-7000 4

1.1 SRC-7000 Features 5

1.2 Unpacking the SRC-7000 5

1.3 Battery Installation 6

1.3.1 Battery Precautions 7

1.4 Turning the Touch Screen On 7

1.5 Identifying Components 8

1.5.1 Top of SRC-7000 8
1.5.2 Botton of SRC-7000 9
1.5.3 Direct Access Buttons (Rubber Keys) 10
1.5.4 LCD Touch Screen 11
1.5.5 Precautions When Using the Touch Screen 11
1.5.6 Touch Screen Keys 12

Chapter 2 Quick Start 17

2.1 Re-calibrating the Screen 17

2.2 Date / Time Setting 18

2.3 Device Setting 19

Chapter 3 How to Set Up Your SRC-7000 21

3.1 Add a Device 21

3.1.1 Create a New Device 21

3.1.2 Load the Codes for the Newly-added Device 23

A. Pre-code 23

B. Learning 25

3.2 Add a Soft Key 27

3.3 Adding Text 29

3.4 Re-label a Device, Key or Text 30

3.5 Re-size a Device, Key or Text 32

3.6 Delete a Device, Key or Text 33

3.7 Pre-programmed Code 35

3.8 Learning 37

3.9 Learn a Cycle Key 40

3.10 Delete Device / Key Codes 41

3.11 Create a Macro 42

3.11.1 Macro 42

3.11.2 Timer Macro 45

A. Create a Timer Macro 45

B. Delete Your Timer Macro 47

C. Re-label Your Timer Macro 48

D. View Your Timer Macro 49

3.12 Set Up Your Favorite Channels 50

3.12.1 Add Favorite Channel Keys 50

3.12.2 Set Your Favorite Channels as Macros 51

Chapter 4 Menus 52
4.1 Set Up the Remote 52
4.2 Key Layout 56
4.3 Code Setting 57
4.4 Timer Macro 58
4.5 Duplicate 59

Chapter 5 Install USB Cable and Software 61
5.1 Introduce SLC-2080 USB Cable 61
5.1.1 Install the SLC-2080 USB Driver 61
5.2 Install Upgrade Tools 63
5.3 Upgrade VMCU Firmware and VMCF Pre-programmed Codes 66

Appendix A 69
Features 69
Specifications 70

Appendix B 71
Optional Accessories 71

Appendix C 72
Troubleshooting Tables 72

Chapter 1 Introduction to the SRC-7000

Congratulations on purchasing **SRC-7000 Smart Remote Control** (SRC-7000). The SRC-7000 is a digital Universal Remote Control with smart design that is easy to configure and use, enabling you to control all your IR equipped electronic devices.

One of the main features is the touch screen control panel, which can integrate a number of remote controls in one and reduce the number of buttons for each device. The design makes it easy for you to find the function you want. You can control up to 64 devices by 8 default categories such as TV, Satellite, VCR, DVD/VCD, Amplifier/Receiver, CD/MD, Tuner/Tape and AUX.

This remote features very simple setup, combining both preprogrammed codes and learning ability, you can easily configure each device at home or office. The unit features high compatibility with over 95% of brands available in the market. Furthermore, you can also easily edit devices, change the LCD appearance, and customize other settings.

Macro and Timer functions enable you to initiate a chain of 60 commands just by tapping a key. Also, the Macro combined with the timer can operate automatically at specific times.

The SRC-7000 offers superior flexibility over most brands combined with preprogrammed codes offering ease of operation. With the SRC-7000, you are able to add or delete devices, re-label devices or keys, and change the size and shape of the LCD soft keys. You can control all your devices with one remote control. No longer will you have to search for several different remotes!

1.1 SRC-7000 Features

This following list identifies SRC-7000 key features. For more information on getting the most, please refer to the following chapters.

1. Control up to 64 devices including VCD/DVD, TV, Satellite, VCR, CD/MD, Receiver/Tuner, Tape, etc.
2. Large LCD touch-screen display with automatic backlighting for visibility in low light environments.
3. Direct access buttons for accessing frequently used functions such as volume, channel, play, mute and stop.
4. Excellent learning ability with auto learning guide
5. Huge pre-programmed codes database.
6. Motion detector enables users to power up remotes automatically.
7. Fully customizable keys, devices, icons and layouts.
8. Each macro can store up to 60 commands with time delays.
9. Inbuilt timer enables Macros to operate automatically.
10. With the optional SDS-7000 Docking Station, users can charge Ni-MH rechargeable batteries.
11. On-line upgradeable by the Upgrade Tools and editable by the RemoteComm software.

1.2 Unpacking the SRC-7000

After unpacking the package, please make sure the following items are included.

- SRC-7000 Smart Remote Control x 1 set
- User's Manual with pre-programmed code list x 1 set

If any of above items is missing or appears damaged, please contact your local dealer immediately. Do not throw the shipping package away in case you need to ship your SRC-7000.
For the optional accessories, you can contact your local retailers directly.

1.3 Battery Installation

Please refer to the following illustration and instructions for inserting the batteries

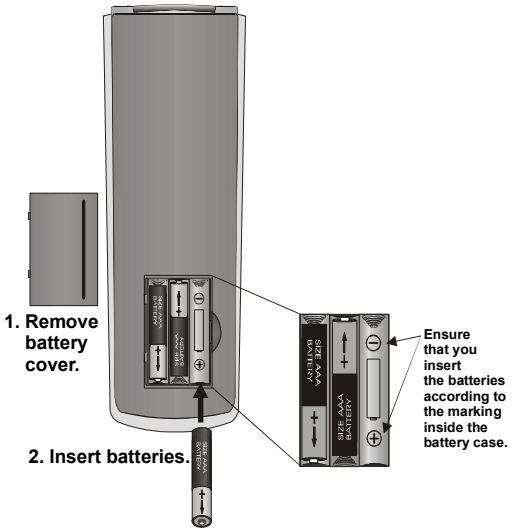


Figure 1-1: Inserting the batteries

The battery compartment is located at the back of SRC-7000.

1. Put your thumb in the battery cover slot and pull to remove the cover.
2. Insert new batteries into the bay in the direction indicated in the battery compartment.
3. Replace the battery bay cover. You will hear it click into place.

1.3.1 Battery Precautions

Please pay attention to the following instructions:

1. Be sure that the positive (+) and negative (-) polarities of each battery match the polarities indicated in the compartment.
2. Do not expose the batteries to excessive heat or flame.
3. Keep the batteries away from children.
4. Low power batteries will reduce the effective distance of the unit.
5. Do not mix different type of batteries or mix new and used batteries at the same time.

Note: *If you use Ni-MH rechargeable batteries, please pay attention to the following.*

a. *Before the first use, please charge the batteries for 10 hours.*
b. *Do not recharge the batteries with an unqualified charger.*
c. *When the battery low warning icon appears, please recharge batteries right away.*
d. *Please renew the batteries immediately if the running time is lower than half of the running time of a new fully charged battery.*

Warning: *When the battery low warning icon appears, you may not enter the Setup Menu to operate the functions such as using learning function, adding a Macro, or deleting devices.*

1.4 Turning the Touch Screen On

Figure 1-2: Turning the LCD on

There are three ways to turn on SRC-7000:

1. Picking up the SRC-7000. The motion detector design will turn the SRC-7000 on.
2. Pressing any rubber key.
3. Tapping the LCD touch screen.

1.5 Identifying Components

Please refer to the following illustrations to identify the components of SRC-7000. This section provides you an overview of the SRC-7000. For the detailed description on operation, please refer to Chapter 3.

1.5.1 Top of SRC-7000

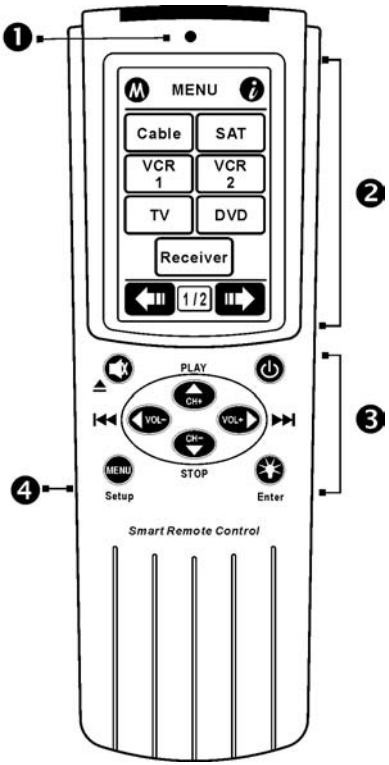


Figure 1-3: Front view

1. **Light sensor (P.54)**

   The Light Sensor will detect the ambient brightness to control the backlight whether turn on or not.

2. **Touch screen LCD (P.12)**

   The LCD screen enables you to configure and control your devices by tapping the screen. In addition, you can tap the screen to power on SRC-7000.

3. **Hard key (P.10)**

   You can operate the most frequently used functions by pressing these hard keys.

4. **Transmission port (P.71)**

   With the port, you can connect your PC to the SRC-7000 with the SLC-2080 USB cable to upgrade the MCU firmware or edit the SRC-7000.

1.5.2 Botton of SRC-7000

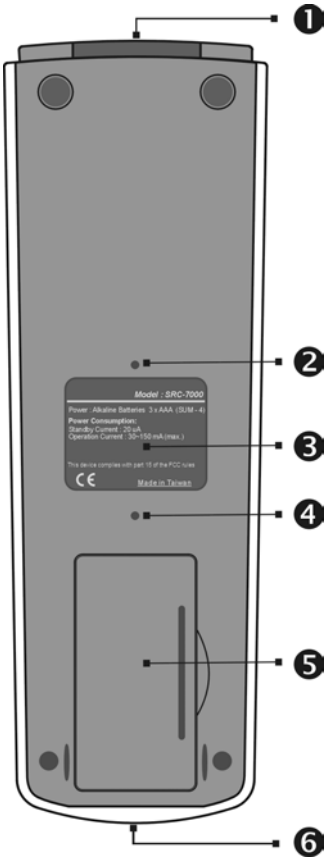


Figure 1-4: Rear view

1. IR port

This needs to be pointed to the IR receiver of the targeted device.

2. Reset switch

You can reset the SRC-7000 when the SRC-7000 does not work properly or hangs up (freezes).

3. Rear label

The rear label marks the model number and the brief specifications.

4. Buzzer opening

Beep tone signals are transmitted through here.

5. Battery compartment

Contains the 3xAAA Alkaline batteries or Ni-MH rechargeable batteries.

6. Learning eye (P.37)

The SRC-7000 learns the IR codes from the original device through this learning eye. Simply point the original device to SRC-7000this learning eye 2~4 inch apart and press corresponded key on the original device, and save the corresponding code into the SRC-7000.

In this way, SRC-7000 will learn the IR codes from your original device.

1.5.3 Direct Access Buttons (Rubber Keys)

The Direct Access Buttons provide you with easy access to often-used functions such as volume, channel control, skip to the next, skip to the previous, reverse, play and stop… etc. Before use, these functions must be set. (Refer to Chapter 3: How to Set Your SRC-7000, Page21.)

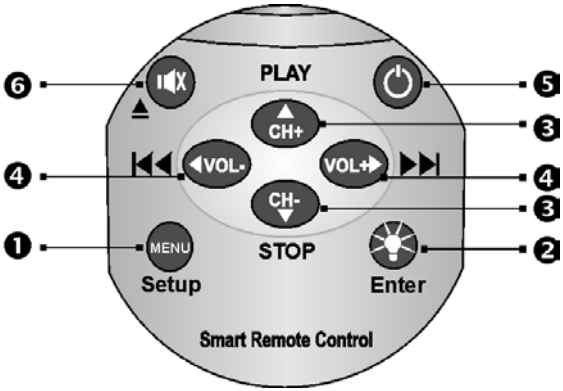


Figure 1-5: Direct access buttons

These direct access buttons functions as follows in set up and normal use:

	Setup mode function	Device normal function
❶	• Enter the setup menu by pressing it for about 2 seconds. • Exit the setup item and back to last setup mode.	• Back to the Main menu
❷	• Enter the submenu • Confirm the setup item	• Turns on the backlight
❸	• Select the items	• Channel up or channel down button • Play or Stop function
❹	• Change the degree of the selected item.	• Volume up or volume down • Skip to the next or Skip to the previous
❺	• No function	• Device power button: Press the button to turn on the selected device
❻	• No function	• Mute function • Open the disk/ tape * These buttons function differently according to the currently selected device.

1.5.4 LCD Touch Screen

The LCD (Liquid Crystal Display) touch screen enables you to configure and operate your SRC-7000 with the touch of a finger.

1.5.5 Precautions When Using the Touch Screen

Please pay attention to the following instructions to avoid damaging your SRC-7000.

1. Do not tap hard on the LCD touch screen. Tap the LCD touch screen gently.
2. Do not use a pen or any sharp object to tap the screen.
3. Do not immerse it in liquid. Keep the Remote dry. Wipe off any spills immediately because SRC-7000 is not waterproof.
4. Do not expose SRC-7000 to extreme temperatures. Keep it away from heat sources.
5. Do not drop the SRC-7000.
6. Do not put anything on the touch screen.
7. Do not use abrasives or cleaning solutions to clean SRC-7000. If necessary, dampen a clean soft cloth slightly with clean water before cleaning.

1.5.6 Touch Screen Keys

The touch screen keys enable you to control your devices as you would do with your original remote control. You can also set up macros, program timers, cycle keys and configure the LCD screens as you want.

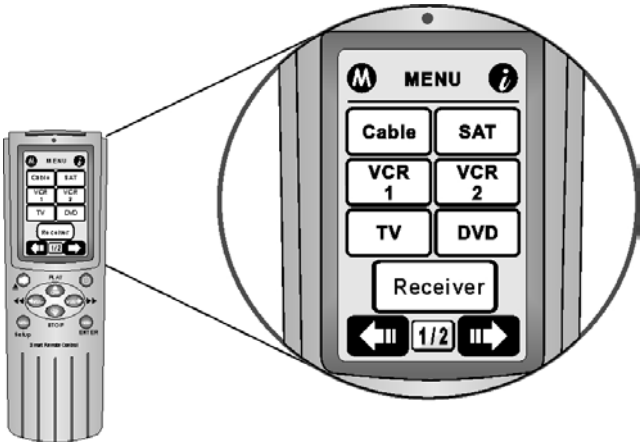
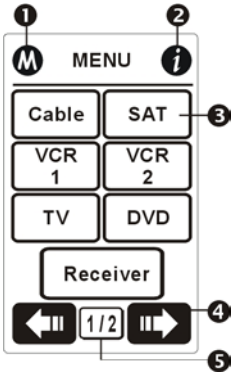


Figure 1-6: Touch screen buttons

It is very easy to use the touch screen. You just need to tap the soft buttons to activate the specific function. Before use, you have to set up the SRC-7000. (Refer to Chapter 3 How to Set Your SRC-7000, Page 21.)

Introducing the frequently used LCD Layout as followed:

• Main Menu



Press the Menu button MENU Setup to call up the Main Menu.

❶ Accesses Timer Macro. (P.45.)

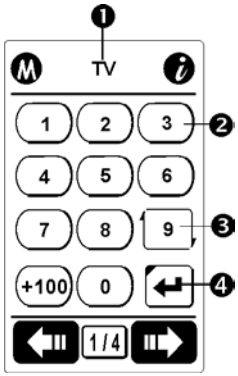
❷ Accesses basic information about the remote. (P.14.)

❸ SAT Device key

❹ Tap the right or left icon to change the pages.

❺ 1/2 Page indicator. It reads that you are in the first page of a total of 2 pages.
You can input 8 pages in the Main Menu.

• Device Layout



Tap the device key directly to enter the device page.

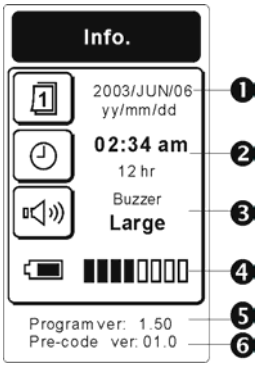
❶ **TV** Device name / present status (P.21)

❷ 3 Soft key in the device (P.27)

❸ 9 Cycle key (P.40)

❹ Macro key (P.42)

• Basic Information Layout



After pressing the icon, you can get the basic information as follow:

❶ Date information (P.52)

❷ Time information (P.52)

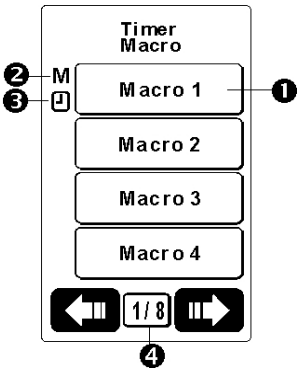
❸ Buzzer information (P.52)

❹ Batteries power indicator (P.52)

❺ Program version

❻ Pre-programmed code version

• Timer Macro Layout



After pressing the icon, you can get the Timer Macro layout as follow:

❶ Macro 1 Tap the Timer Macro key directly to start the macro function. (P.45)

❷ M If the Macro has been set, this symbol will been shown next to the Macro key. (P.45)

❸ If the Timer has been set, the symbol will been shown next to the Macro key. (P45)

❹ 1/8 Page indicator. It reads that you are in the first page of a total of 8 pages in the Timer Macro function. There are total of 32 Timer Macros for your use. (P.45)

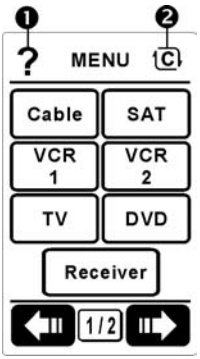
• Setup Menu Layout

When you are under the setup status you will see the icons as follows:

❶ **Help Guide:** Tap this icon to get the setup process information.

You can press CH+ or CH- to read the information pages. After reading the tips, press Enter button to exit.

❷ **Quick Icon:** Under the setup mode you will see the icons show on the top right of the screen. The fastest way to edit SRC-7000 is tapping the icon directly to change the edit functions directly. You don't need to exit back to the setup menu to change the edit functions. Every icon's function is as follows.



Key Layout Setup Mode

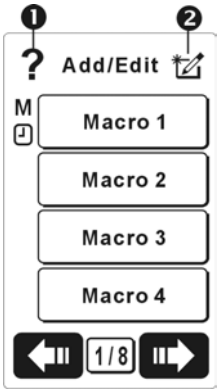
❷ Tap the icon directly to change the functions in Key layout.

- Add Device (P.21)
- Add Key (P.27)
- Add Text (P.29)
- Re-label (P.30)
- Re-size (P.32)
- Delete Key (P.33)

Code Setting Setup Mode

❷ Tap the icon directly to change the functions in Code Setting.

- Pre-code (P.35)
- Learning (P.37)
- Macro (P.42)
- Cycle key (P.40)
- Delete code (P.41)
- Enter code number (P.35)



Timer Macro Setup Mode

❷ Tap the icon directly to change the functions in Timer Macro.

Add / Edit the Timer Macro (P.45)

Re-label the Timer Macro (P.48)

Delete Timer or Macro (P.47)

View Macro processes (P.49)

* When you are adding or editing the macro processes two icons appear as below:

❶ When setting the Macro processes tap this icon to go back to last Macro step. (P.45)

❷ Set delay between two commands. (P.45)

* If a Timer Macro has been set, a small mark M will be shown beside the Macro key

M If the Macro has been set, this symbol will been shown next to the Macro key.

If the Timer has been set, this symbol will been shown next to the Macro key.

Chapter 2 Quick Start

This chapter shows you how to quickly set up the SRC-7000, for a more detailed set up please refer to Chapter 3.
At turn on, the SRC-7000 will show the welcome greeting message on the screen. From now on, you formally enter the setup procedure. Please operate by the following instructions step by step.

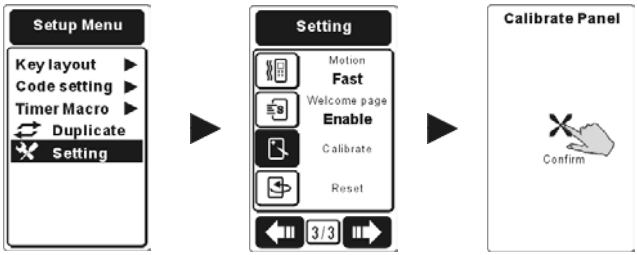
2.1 Re-calibrating the Screen

You will need to re-calibrate SRC-7000's touch panel in three conditions:

a. When you insert the batteries at the first time.
b. When you reset the SRC-7000.
c. When you feel the SRC-7000's touch panel is not so sensitive.

Please follow the instruction as below:

1. Press MENU Setup button for 2 seconds to enter Setup Menu.
2. Scroll the CH+ or CH- buttons to choose **Setting** item and press Enter button for entering "Setting" menu.
3. Scroll the CH+ or CH- buttons to select **Calibrate** item and press Enter button for entering "Calibrate Panel" for screen calibration.
4. Tap the 5 "✕" places following screen indication step by step. When finished, the screen will go back to previous "Setting" menu automatically.



2. 3. 4.

When you finish tapping these 5 indicators, the re-calibration process is completed. Then press MENU Setup two times to exit setup mode.

2.2 Date / Time Setting

1. Press MENU Setup button for 2 seconds for entering Setup Menu.
2. Scroll the CH+ or CH- buttons to choose Setting item and press Enter button for entering "Setting" menu.
3. Scroll the CH+ or CH- buttons to select Date item and press Enter button for confirmation. After you will find the year column underlined, meaning it is ready for current date to be entered by pressing CH+ and CH- button. To move the underline forward and backward to target any +column press VOL- and VOL+ button.

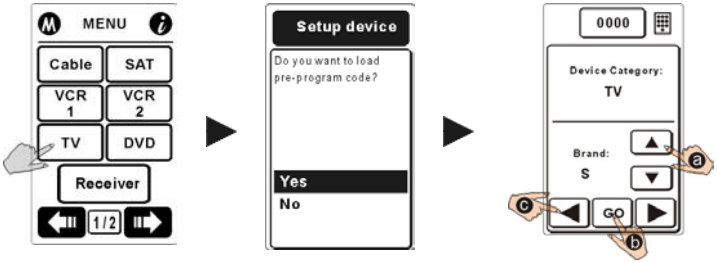
2. 3. 5.

4. Set up the date and the date format as you want. When everything is done, press Enter button to confirm and exit.
5. Continue to setup time by scrolling the cursor and choosing Time item. Press Enter button for confirmation. You will also find the hour column underlined meaning it is ready for the current time to be entered by pressing CH+ and CH- button. You can move the underline forward and backward to target any column by pressing VOL- and VOL+ buttons.
6. Enter the time and choose a suitable time format (12 or 24 hour). When finished, press Enter button to confirm and press MENU Setup tow times to exit.

2.3 Device Setting

SRC-7000 will automatically get through the setup mode when you operate the SRC-7000 for the first time.

1. Select the targeted device you wish to set up. Please tap the target device key in the Main Menu to enter "Setup device" menu. (ex. "TV" device)



1. 2. 3.

* **Pre-code:** load pre-programmed IR code from the factory default (no guarantee being able to control all brand devices).

2. Press the CH+ or CH- buttons to choose "**Yes**" item and press Enter button for entering the operation mode.

3. a Choose the first letter of targeted device brand (ex. "S" on behalf of Sony, Samsung…etc), and point the SRC-7000 at the targeted device. After selecting "Brand" item, please turn on your target device.

   b Tap GO soft button to start auto searching. When you see the targeted device has been turned off, tap or press any button immediately to stop auto searching. Then press ⏻ to test the power key. If it can't work, please go through c step as below.

   c Tap ◀ or ▶ gently to figure out the correct remote code (Code number as shown on the top middle position of the LCD.) until the targeted device has been turned on again. Press the power key or the hard key to test and to confirm the codes.

If the codes are not correct please repeat ⓐ steps and select "**All**". Repeat the ⓑ~ ⓒ again to find the proper code for your target device.

4. Finally, press the ⓓ Enter button to load the code and exit.

Note: *If you didn't get the correct remote codes from the "Pre-programmed code list" item, or you did the wrong steps, please try the other ways to re-setup or supplement.*

a. Use Pre-code function to load current remote codes. (Please refer to 3.1.2 A. Pre-code P.23.)

b. Use Learning function to learn all or part of correct remote codes. (Please refer to 3.1.2 B. Learning P.25.)

Now you are able to control your devices by the SRC-7000. For more information about advanced operation functions, please go to the next chapter.

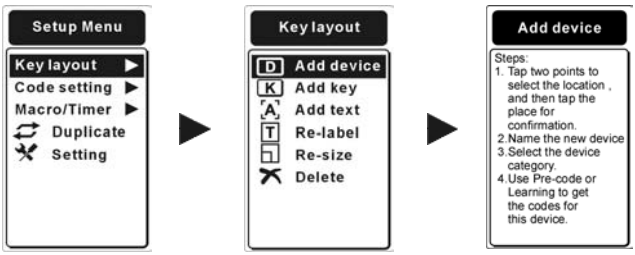
Chapter 3 How to Set Up Your SRC-7000

In this chapter, you can find all the topics about how to setup the SRC-7000. Each topic has its detailed instruction. You can easily customize the SRC-7000 by the procedures.

3.1 Add a Device

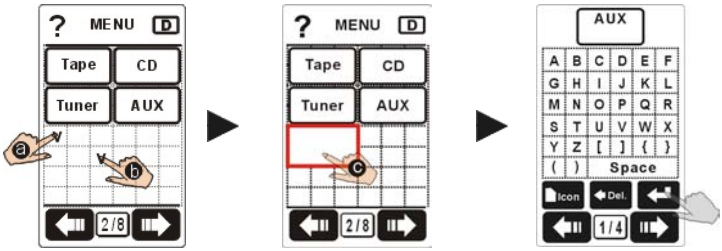
With this function, you are able to create a new device for the SRC-7000. There are two main stages for you to add a device successfully. The first one is to create a new device in the main menu. The second one is to load the specific codes for your newly-added device.

3.1.1 Create a New Device



1. 2. 3.

1. Please press the MENU Setup button for 2 seconds to enter Setup Menu and select "**Key Layout**" press the Enter to enter.
2. Select the D **Add Device** item by press the Enter to enter the submenu.
3. On taping the soft button, you will see the indication for the function. After reading the tips, please press the Enter button to go to the next step.



4. 5.

4. Please choose two points within the desired block on LCD ⓐ & ⓑ. A "**v**" symbol will appear where you tapped. After you determine the second point ⓑ, the key frame ⓒ will show up on the screen automatically. Tap the frame to confirm the location.

   If you want to relocate the points, you can press the MENU Setup button to quit.

   Note:

   a. *The size of the key will depend on the points you choose.*

   b. *You cannot setup a device that will overlap the adjacent key.*

5. After deciding the location, please name the device by tapping the keypad on the screen.

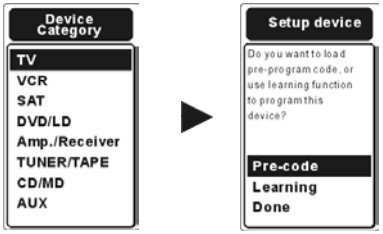
   Select letters Tapping the ◀ ▶ key to select the capital letters, lower case letters or special text for your selection.

   Select Icons Tapping the Icon key to select more symbols.

   Delete letters/icon Tapping the Del. key if you want to delete the letters or symbols.

   Next row Tapping the ↵ key to enter the next row.

   Then press the Enter button to confirm your decision.



6. 7.

6. Please decide the "**Device Category**" for your device by pressing the CH+ or CH- buttons. Press the Enter to confirm and enter next step.
7. Finally, please decide how you will load the IR remote codes for the device. There are three choices for you: "**Pre-code**", "**Learning**" and "**Done**". For more detail please refer to the following sections to get further understanding.

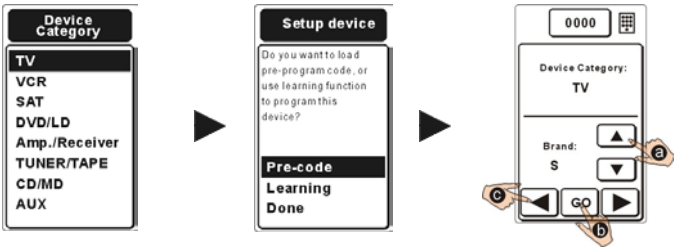
3.1.2 Load the Codes for the Newly-added Device

When adding a new device, you will be asked if you will load the codes for your device. There are two ways to load IR remote codes for your newly-added device: "**Pre-code**" & "**Learning**". Please choose one of these two ways to load the codes. If you don't want to load any codes for the device, just select "**Done**" to finish the setting process.

A. Pre-code

SRC-7000 is equipped with a huge pre-programmed code database. With this function you are able to load the remote codes for your device easily. It also enables you to control the device even if you lose your original remote.

When you have successfully added a new device, and want to use the "**Pre-code**" to load the codes, please choose this item.



1. 2. 3.

1. Decide the "**Device Category**" for your device by pressing the CH+ or CH- buttons. Press the Enter to confirm and enter to next step.

2. Decide how you will load the IR remote codes for the device. Select "**Pre-code**" press Enter to confirm.

3. a Choose the first letter of targeted device brand (ex. "S" on behalf of Sony, Samsung…etc), and point the SRC-7000 at the targeted device. After selecting "**Brand**" item, please turn on your target device.

   b Tap GO soft button to start auto searching. When you see the targeted device has been turned off, tap or press any button immediately to stop auto searching. Then press ⏻ to test the power key. If it can't work, please go through c step as below.

   c Tap ◀ or ▶ gently to figure out the correct remote code (Code number as shown on the top middle position of the LCD.) until the targeted device has been turned on again. Press the power key or the hard key to test and to confirm the codes.

   If the codes are not correct please repeat a steps and select "**All**". Repeat the b~c again to find the proper code for your target device.

4. If they work, it means that you have found the correct remote codes. Please press the Enter button to confirm your decision.

Note: *When you are in step 3 you will see an icon located on the top-right of LCD. It is "Key Pad Entry" function. (Please refer to P.35 for more detail.)*

B. Learning

With this function, the SRC-7000 is able to learn IR remote codes directly from your original remote. You can also learn codes if you fail to get the right remote codes in the pre-programmed code database.

When using the learning function, please have your original remote pointed to the "**Learning Eye**" at the bottom of SRC-7000 as the Figure 3-1.

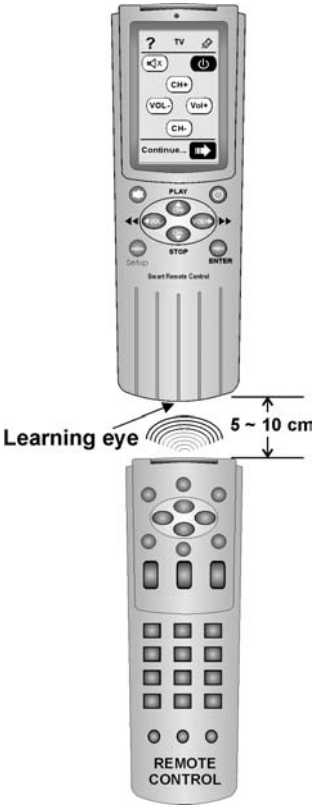
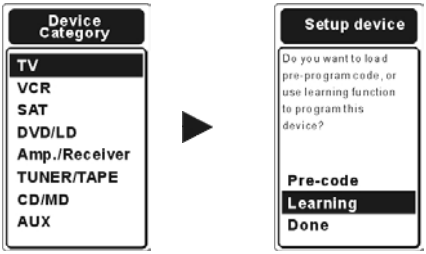


Figure 3-1: Using the Learning Eye

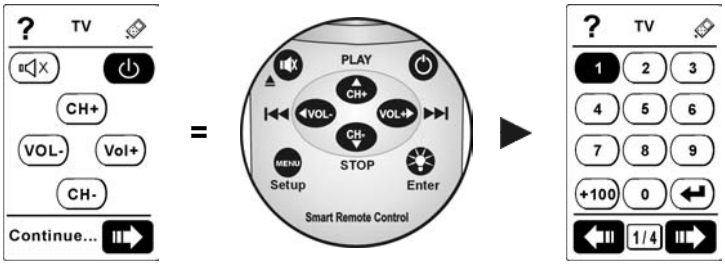
When you have successfully added a new device, and want to learn the codes for the device, choose the "**Learning**" item to program the unit.



1. 2.

1. Decide the "**Device Category**" for your device by pressing the CH+ or CH- buttons. Press the Enter to confirm and enter to next step.

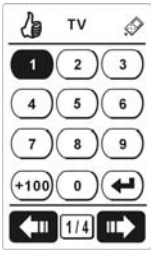
2. Decide how you will load the IR remote codes for the device. Select "**Learning**" press Enter to confirm.



3.

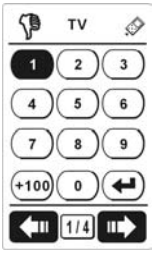
3. The first page will guide you to learn the rubber keys on SRC-7000. The specific key needs to be learned will be shown in black on the LCD. The SRC-7000 will automatically guide you to learn the remote code for each key one by one. However, you can also change the sequence by tapping any key you want to learn.

Before starting learning, have your original remote pointed to the "**Learning Eye**" located at the bottom of the SRC-7000. Please refer to Figure 3-1 on last page.



Learning successfully

4.



Learning fail

5.

4. Press the corresponding key on your original remote for about 2-3 seconds until the symbol shows up on the LCD to make sure the SRC-7000 has learnt the code.

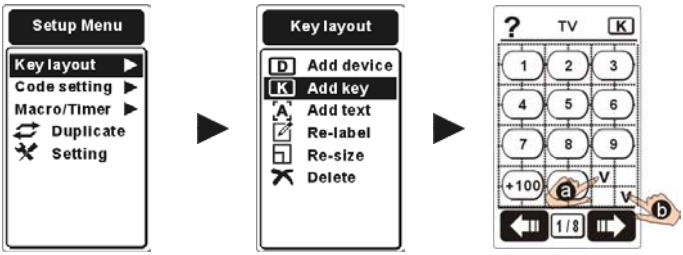
5. If the symbol shows up, it means that the SRC-7000 has failed to learn the remote codes. If the SRC-7000 fails to copy the remote code, please repeat step 3 again.

6. Press the MENU Setup button when you have finished learning all keys.

Note: *The preset layout for your device may not match your original remote completely. Please use "**Add Key**" (P. 27), "**Re-label**" (P.30) or "**Delete**" (P. 33) functions to adjust the layout.*

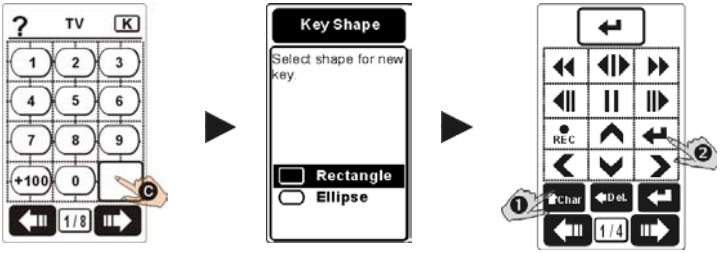
3.2 Add a Soft Key

With this function, you are able to create new soft keys for your devices. There are two main stages for you to add a soft key successfully. The first one is to create a new soft key in your target device. The second one is to load the specific code for your newly-added soft key.



1. 2. 3.

1. Please press the MENU Setup button for about 2 seconds to enter Setup Menu. And then enter "**Key Layout**" menu.
2. Select the "K **Add Key"** item and then enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.
3. Select the device you want to add the key. After entering the device, please choose two points from the blocks on LCD to determine the key location a & b. A "v" sign will appear where you tapped.



4. 5. 6.

4. After you determine the second point, the key frame c will show up on a screen automatically. Tap the frame to confirm the location.

   If you want to relocate the points, you can press the MENU Setup button to quit.

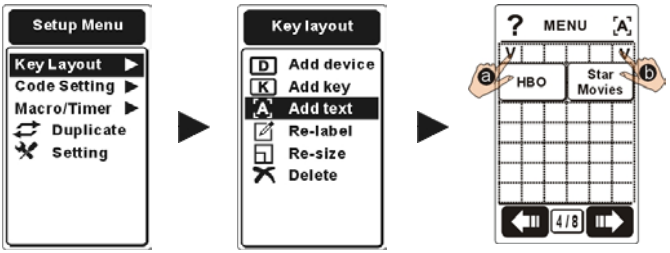
Note:
a. The size of the key will depend on the points you choose.
b. You cannot setup a soft key that will overlap the adjacent keys.

5. Select the shape for the new soft key. There are two choices: Rectangle and Ellipse. You can confirm your selection by tapping the soft key or pressing the Enter button.
6. After deciding the location, please name the key (Please refer to P.22 for naming the key.) then press the Enter button to confirm your decision.
7. If you intend to add another soft key, please repeat step 3~6.

Note: *You can add new keys in every device together then input the IR codes at the same time. You can use "**Learning**" function to get the corresponding remote code for your newly-added soft key at one time. Please refer to **Chapter 3.8 Learning** (P.37) for more information.*

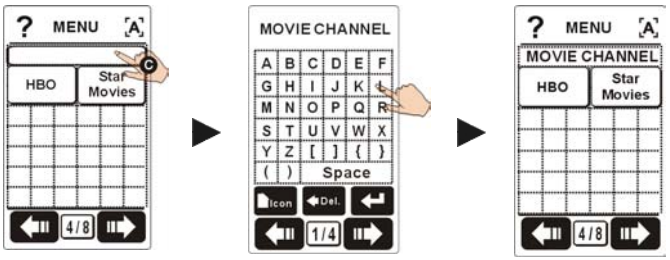
3.3 Adding Text

With this function, you are able to add a text for description.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu. And then enter "**Key Layout**" menu.
2. Choose the "**Add Text**" item and then you will enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.
3. Please choose two points from the blocks on the LCD ⓐ & ⓑ. A "v" sign will appear where you tapped.



4. 5. 6.

4. After you determine the second point, the key frame ⓒ will show up on the screen automatically. Tap the frame to confirm the location.

   If you want to relocate the points, you can press the MENU Setup button to quit.

5. Please add your description to the text and press the Enter button to confirm your words.

6. You will be able to see the new-added text on the LCD layout.
7. If you intend to add another text, please repeat step 3~6.

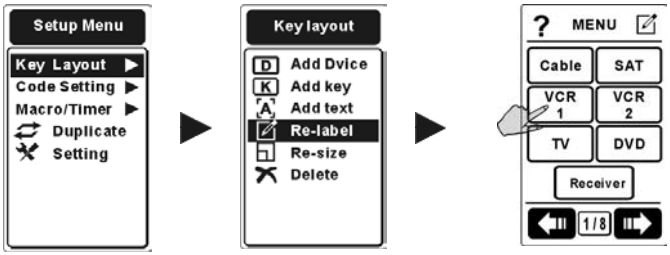
Note:

a. *The length of text you can add to the description will depend on the points you choose.*

b. *You can add text to not only just a specific device but a soft key also. To add a description to a soft key, you simply need to choose the specific device in advance and follow the former steps.*

3.4 Re-label a Device, Key or Text

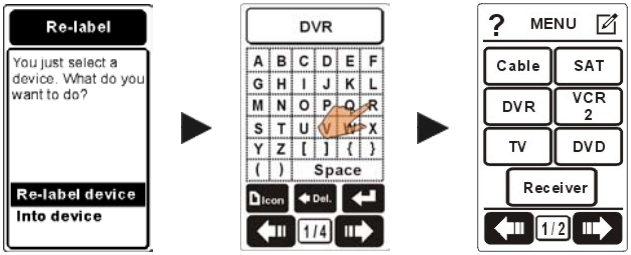
With this function, you are able to rename a device, soft key or text.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu. And then enter "**Key Layout**" menu.
2. Choose the "**Re-label**" item and then you will enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.

3. Please select the device you want to rename.



4. 5. 6.

4. Next you will need to make a decision: to re-label the device itself or to go into the device to re-label its soft keys.

   Re-label device: If you decide to re-label the device, please key in the new name. And then press the Enter button to confirm your decision.

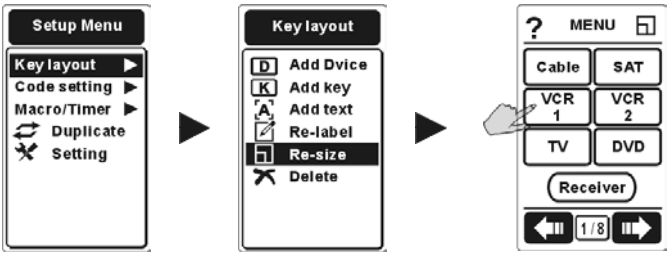
   Into device: If you decide to re-label the soft key in the device, please choose the key you want to rename and key in the new name.

5. Next you will need to make a decision: to re-label the device itself or to go into the device to re-label its soft keys. (Please refer to P.22 step 5.) After finishing the edition, please press the Enter button to confirm your decision.

6. If you intend to re-label another key, please repeat step 3~5.

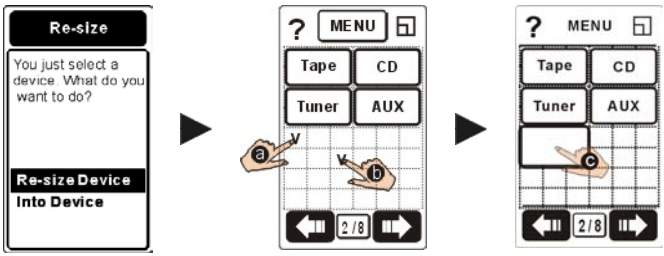
3.5 Re-size a Device, Key or Text

With this function, you are able to re-size a device, soft key or text. You can also use the function to change the locations for them.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu. And then enter "**Key Layout**" menu.
2. Choose the "**Re-size**" item and then you will enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.
3. Please select the device you want to resize.



4. 5. 6.

4. Making a decision to re-size the device itself or to go into device to re-size its soft keys.

   Re-size Device: To re-size the device key.

   Into Device: To re-size the soft key in the device.

5. Choose two points from the blocks on LCD ⓐ & ⓑ. A "v" sign will appear where you tapped.

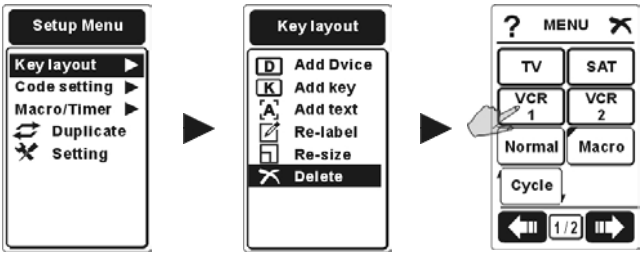
6. After you determine the second point, the key frame will show up on the screen automatically. Tap the frame to confirm the location.
7. After finished the edit, press the Enter button to confirm your decision.
8. If you intend to re-size another key, please repeat step 3~7.

Note: *The way to re-size a soft key is similar to the way to add a soft key.*

You cannot revise a soft key device that will overlap the adjacent keys.

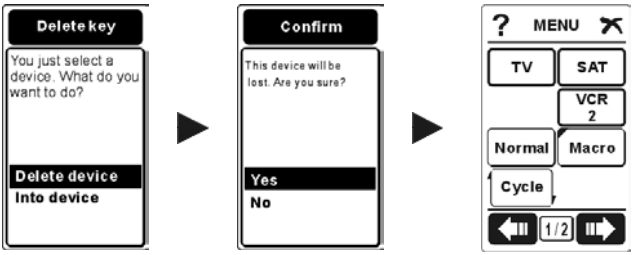
3.6 Delete a Device, Key or Text

With this function, you are able to delete a device, soft key or text.



1. 2. 3.

1. Press the Setup button for 2 seconds to enter Setup Menu. And then enter "**Key Layout**" menu.
2. Choose the "**Delete**" item and then you will enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.
3. Select the device you want to delete.



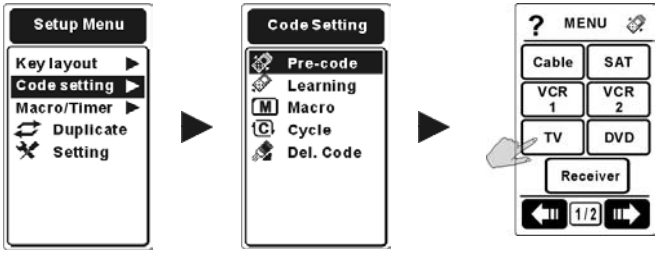
4. 5. 6.

4. Then you will need to make a decision: to delete the device itself or to go into a device to delete the soft keys. Press the Enter button to confirm the selection.
5. If you select a device to delete, you will see a message to confirm your decision. Please choose "**Yes**" or "**No**" then press the Enter to confirm your decision.
6. If you intend to delete another device, please repeat step 3~5.
7. If you go into device to delete its soft keys, you will delete the key directly by tapping the soft key. If you want to delete a text, please touch the text directly.
8. If you intend to delete another soft key or text in another device, please press MENU Setup key to exit this device. And then repeat step 3~7.

Note: *If you have saved the remote codes in the device or the soft key, "**Delete**" function will erase not only the icons but also the remote codes. You will see a message to confirm your decision when the SRC-7000 finds some codes are saved in your target.*

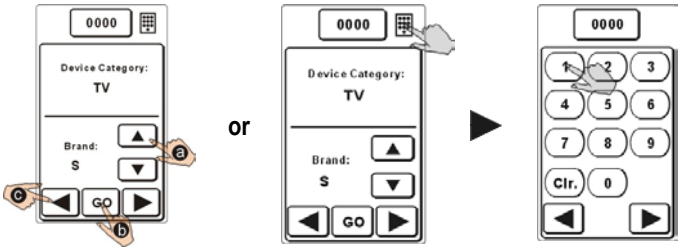
3.7 Pre-programmed Code

SRC-7000 is equipped with a large pre-programmed code database. With this function, you are able to load the code for your device. It also enables you to control your device even if you lose your original remote.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu. And then enter "**Code Setting**" menu.
2. Choose the "**Pre-code**" item and then you will enter the submenu. On tapping the soft key, you will see the indication for the function. After reading the tips, please press the Enter button to go to next step.
3. Select the required device to load the remote codes.



4. 5. 6.

4. a Choose the first letter of targeted device brand (ex. "S" on behalf of Sony, Samsung…etc), and point the SRC-7000 at the targeted device. After selecting "Brand" item, please turn on your target device.

ⓑ Tap GO soft button to start auto searching. When you see the targeted device has been turned off, tap or press any button immediately to stop auto searching. Then press ⏻ to test the power key. If it can't work, please go through ⓒ step as below.

ⓒ Tap ◀ or ▶ gently to figure out the correct remote code (Code number as shown on the top middle position of the LCD.) until the targeted device has been turned on again. Press the power key or the hard key to test and to confirm the codes.

If the codes are not correct please repeat ⓐ steps and select "**All**". Repeat the ⓑ~ⓒ again to find the proper code for your target device.

Note: *If you still can't find the proper code for your device, please select "**All**" in the Brand item then tries to auto search the code again.*

After the Pre-code auto search is finished the LCD will show a "Search completely" message and an "OK" icon. Tap the "OK" to exit the auto search. This means the SRC-7000 has already search the defined area codes already. The codes might not include in the pre-code database.

5. In this page, you will find an icon ⌨ which is the "Key Pad Entry" function. You can also press the icon to enter the "Key Pad Entry" function.
6. Key in the code number for your device directly. In this way, you are able to save the time to load the corresponding codes. However, each brand may have several remote codes. You may need to load the remote codes several times to find the correct codes for your device.
7. If they work, it means that you have found the correct remote codes. Please press the ● Enter button to confirm your decision.
8. If you intend to setup another device code, please repeat step 3~7.

If you still can't use Pre-code to load correct code for your device, please use "Learning Function" on next section.

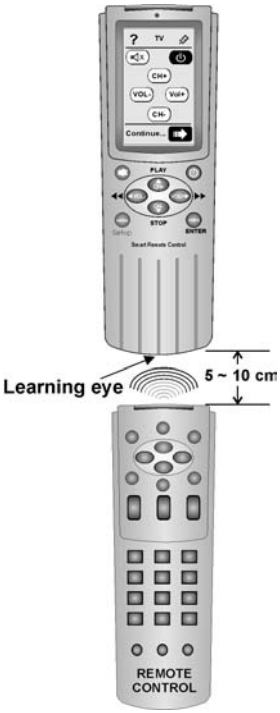
3.8 Learning

With this function, you are able to use the SRC-7000 to learn IR remote codes directly from your original remote. You are able to control your devices with the SRC-7000, even if the code for your device is not included in the database.

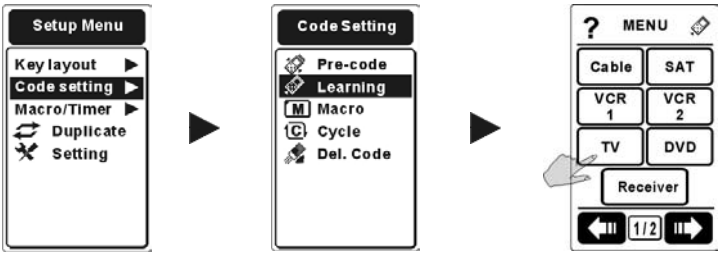
Note:

a. *Although the learning function is able to copy almost all the IR remote codes, there are still some special codes that the SRC-7000 cannot learn.*

b. *When using the learning function, please have your original remote pointed to the "**Learning Eye**" port at the bottom of the SRC-7000 and keep them for 2-4 inches (5-10cm) apart.*

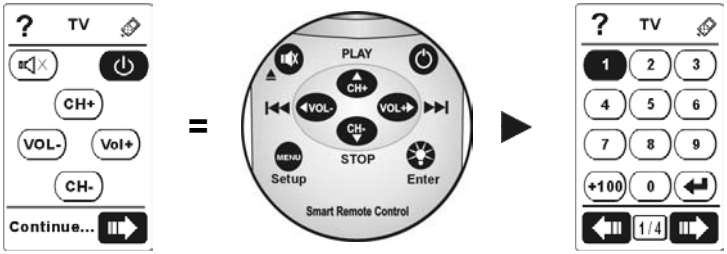


Using the Learning Eye



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter the Setup Menu, then enter the "**Code Setting**" menu.
2. Select the "**Learning**" item then press the Enter button to enter the submenu. You will need to see the help guide for the learning function. After reading the tips, please press the Enter button to go to the next step.
3. Select the device for which you want to learn the remote codes.



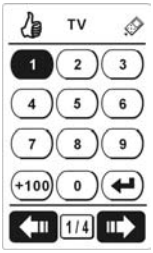
4. 5.

4. The first page will guide you to learn the rubber keys on SRC-7000.

   Before starting learning, have your original remote pointed to the "**Learning Eye**" located at the bottom of the SRC-7000 for 2-4 inches apart. Please refer to the picture on last page. The specific key needs to be learned will show in black on the LCD.

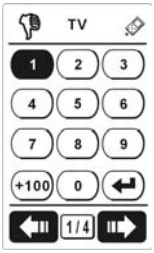
   Note: *The first page you see will guide you to learn each remote code for the rubber keys on the SRC-7000.*

5. The SRC-7000 will automatically guide you to learn the remote code for hard key to soft key. However, you can also change the sequence by tapping any key you want to learn.



Learning successfully

6.



Learning fail

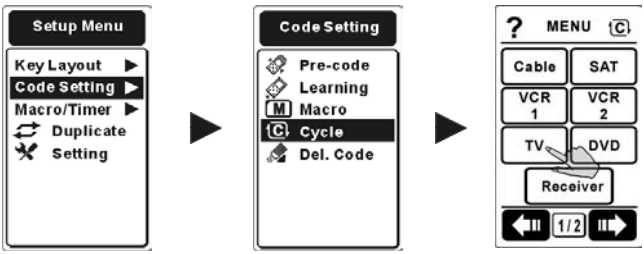
7.

6. Press the corresponding key on your original remote for about 2-3 seconds until the symbol shows up on the LCD to make sure the SRC-7000 has learnt the code.
7. If the symbol shows up, it means that the SRC-7000 has failed to learn the remote codes. If the SRC-7000 fails to copy the remote code, please repeat this step again.
8. Press the MENU Setup button when you have finished learning all keys.
9. If you intend to use the function to learn another device code, please repeat step 3~8.

Note: *The preset layout for your device may not match your original remote completely. Please use "**Add Key**" (P. 27), "**Re-label**" (P.30) or "**Delete**" (P. 33) functions to adjust the layout.*

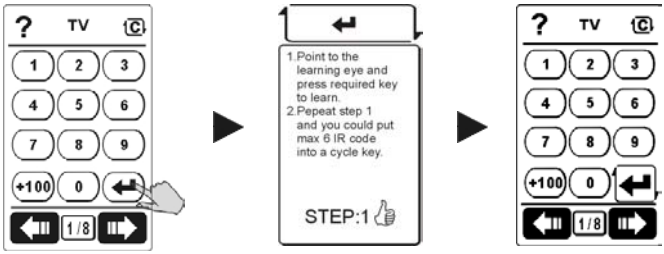
3.9 Learn a Cycle Key

Some devices save a circle of commands in one button. The SRC-7000 is equipped with a special Cycle function; with this function you are able to replicate the circle of commands.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter the Setup Menu, and then enter the "**Code Setting**" menu.
2. Choose the "C **Cycle**" item and then press the Enter button to enter the submenu.
3. Choose the device where you want to put the Cycle key.



4. 5. 6.

4. Choose one of the keys (except Device key) you will use as a Cycle key.
5. Point your original remote at the "**Learning Eye**", located at the bottom of the SRC-7000, then press the corresponding key on your original remote for about 2-3 seconds until the symbol shows up on the LCD. Repeat this step till the SRC-7000 learns all codes in

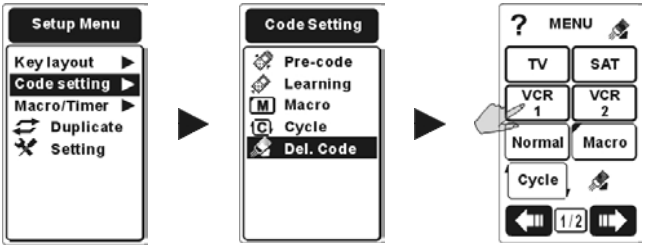
this Cycle key. (You can save up to 6 cycle commands in the Cycle key.)

6. Press the MENU Setup button when you have finished learning all the circle of commands.
7. If you intend to setup another "**Cycle key"**, please repeat step 4~6.

Note: *When you have saved some commands in a Cycle key, a sign will be marked on the **Cycle key**.*

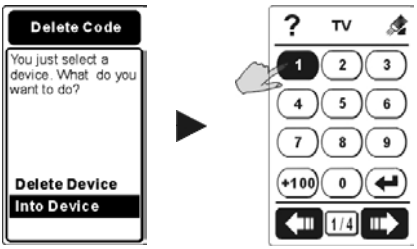
3.10 Delete Device / Key Codes

With this function, you can delete the "**Codes**" in the keys.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter the Setup Menu, and then enter the "**Code Setting**" menu.
2. Choose the "**Del. Code**" item and then enter the submenu. On pressing the soft key, you will see the direction for the function. After reading the tips, press the Enter button to go to the next step.
3. Select the device you want to delete.



4. 5.

4. And then you will need to make a decision: to either delete all of the codes for the device, or to go into the device to delete the codes for the keys. If you select a device to delete, you will see a message to confirm your decision. Please choose "**Yes**" or "**No**" to confirm your decision.
5. If you go into the device to delete the codes for its keys, you can delete the codes by tapping the soft keys directly.
6. If you intend to delete other codes for a device or key, please repeat step 3~5.

Note: *The "**Del.Code**." function is similar to the "**Delete**" (P33) function. However, "**Code setting-Delete**" just deletes the codes for the keys. "**Key layout-Delete**" will delete both the keys and codes.*

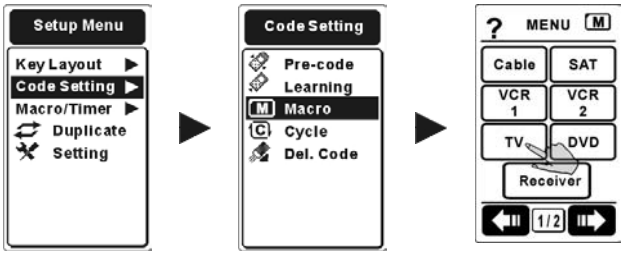
3.11 Create a Macro

The "**Macro**" function enables you to send a series of commands with just one key. The features for the Macro function are as follows:

1. You can save up to 60 commands in one Macro key. You can use any keys except the Device key as your Macro key.
2. You can create delays between two commands.
3. During the Macro transmission, all commands will be shown on the LCD at the same time as they are transmitted.
4. The SRC-7000 is equipped with two types of Macros: "**Macro**" and "**Timer Macro**"

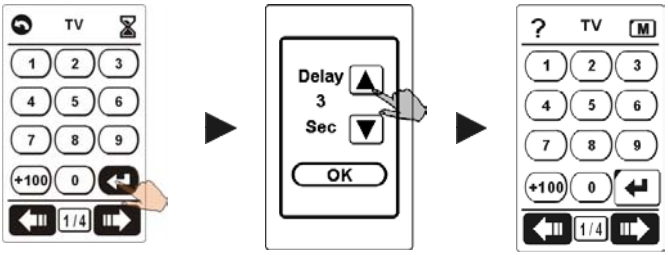
3.11.1 Macro

With this function, you can use all the keys (except the Device key and Cycle keys) as Macros. The Macro enables you to send a series of commands with just one touch.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter the Setup Menu, and then enter the "**Code Setting**" menu.
2. Choose the "M **Macro**" item and then enter the submenu. On pressing the soft key, you will see instructions on how to use the function. After reading the tips, press the Enter button to go to the next step.
3. Select the device where to set the Macro key.



4. a. 5.

4. Select the commands you want to save in the Macro key step by step. You can save up to 60 commands in a Macro.

   When setting the Macro key, you can press these icons:

   a. *to set up the delay between two commands from 0 ~30 seconds.*

   b. *to go back to the former command you selected.*

   For further understanding, please refer to an example on the next page.

5. Press the Enter button to confirm your decision.

   Note: *When you have a soft key as a Macro key, a black triangle will be marked on that key.*

6. If you intend to create another Macro key, please repeat step 3~5.

An Example of setting a Macro

- Basic device operation for watch DVD:
  1. Turn the TV on.
  2. Switch the TV to video mode.
  3. Turn the DVD on.
  4. Create a two-second delay.
  5. Instruct the DVD to play a disc.
- The commands for the Macro key.
  1. Press the TV device button.
  2. Press the Power button.
  3. Press the TV/Video button.
  4. Press the DVD device button.
  5. Press the Power button.
  6. Press the Time Delay icon.
  7. Press the Up and Down arrows to select a time delay.
  8. Press OK to confirm time delay.
  9. Press the Play button.
  10. Press Enter to save Macro
  11. Press the MENU Setup button till it return back to the Main Menu.

The correlation between Basic Device Operation and commands for the Macro key is shown below:

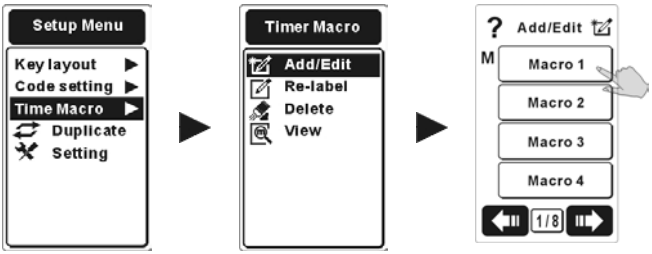
The Basic Device Operation	The Required Macro Sequence
Turn the TV on.	1. Press MENU Setup for about 2 seconds, select "Code Setting", press Enter, select "Macro", press Enter two times to goes to the Menu. 2. Press the TV device key, select ↵ as Macro start key. 3. Press the TV Power key.
Switch the TV to video mode.	4. Press the TV/Video key.
Turn the DVD on.	5. Press the DVD device key. 6. Press the Power key
Create a two-second delay.	7. Press the Time Delay icon. ⧗ 8. Press the Up and Down arrows to select a time delay. 9. Press OK to confirm time delay.
Instruct the DVD to play a disc	10. Press the DVD Play key.
Completion	11. Press Enter to save the Macro key 12. Press the MENU Setup button till it return back to main Menu.

3.11.2 Timer Macro

A. Create a Timer Macro

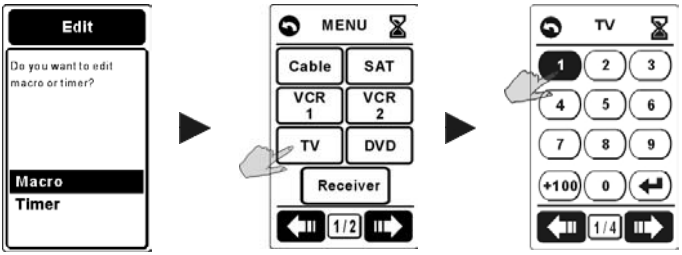
The "**Timer Macro**" function enables you to set devices to turn on at specified times, or to operate a Macro function automatically at a specific time. The function helps you to record movies, turn on music, act as an alarm clock, or implement Home Automation. You can enjoy this marvelous convenience after setting the Timer Macro.

The SRC-7000 is quipped with 32 sets of Timer Macros.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu, and then enter the "**Timer Macro**" menu.
2. Choose the "Add/Edit" item and then press the Enter button to go to the next step.
3. Select one of the 32 Macro keys as the Timer Macro.



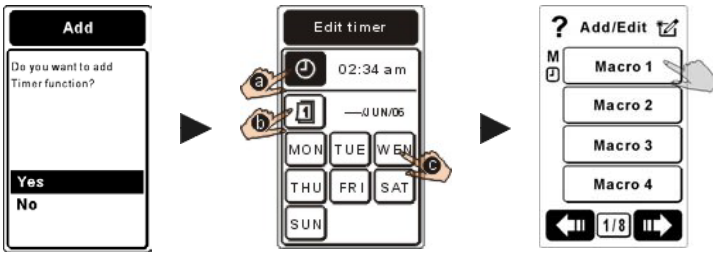
4. 5. 6.

4. Select any key in devices for the commands to use for the Macro. You can save up to 60 commands in one Macro.
5. Select the operation processes between any devices.
6. Select the commands to use.

a. You can press the icon to set up the delay between two commands from 0 ~30 seconds.

b. You can press the icon to go back to the former command you selected.

Press the Enter button to confirm the Macro processes setting.



7. **8.** **9.**

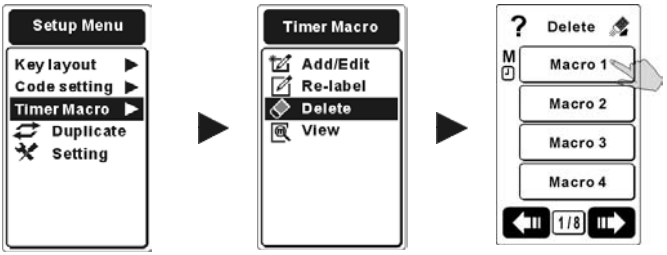
7. Then decide if you will set a Timer for the Timer Macro. If you select **"No"**, you can confirm and exit the Macro setup commands. You can repeat the steps 3-5 to set more Timer Macros.
8. If you select "**Yes**",
   - ⓐ You can press the soft key to set the delay time, which is achieved by pressing the and buttons to set the hour, or press the and buttons to change the items.
   - ⓑ Tap the date
   - ⓒ Or choose the weekday to set the activation time for the Macro function; the section you choose will be in black.
9. Press the Enter button to confirm the settings for the Timer Macro.
10. If you intend to setup another **Timer Macro**, please repeat 3~9.

Note: *If a Timer Macro has been set, a small mark will be shown beside the Macro key*

- If the Macro has been set, this symbol will been shown next to the Macro key.
- If the Timer has been set, this symbol will been shown next to the Macro key.

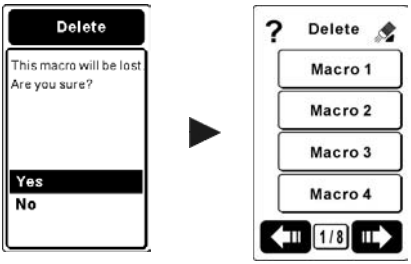
B. Delete Your Timer Macro

With this function, you are able to delete Timer Macros.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu, and then enter the "**Timer Macro**" menu.
2. Choose the "**Delete**" item and then enter the submenu.
3. Select the **Macro/Timer** key you intend to delete.



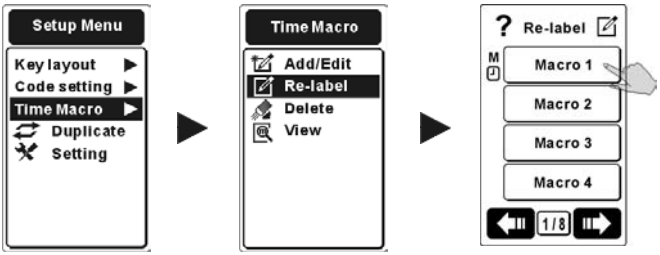
4. 5.

4. Decide if you want to delete the Macro or the Timer. You can only delete the Timer only. Choose "**Yes**" to confirm the delete.

Note: *If you delete the Timer Macro, you will erase the Timer along with it at the same time.*

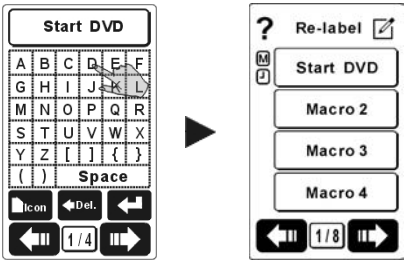
C. Re-label Your Timer Macro

With this function, you can easily re-label your Timer Macros.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu, and then enter the "**Timer Macro**" menu.
2. Choose the "**Re-label**" item and then enter the submenu.
3. Select the Timer Macro you intend to re-label.



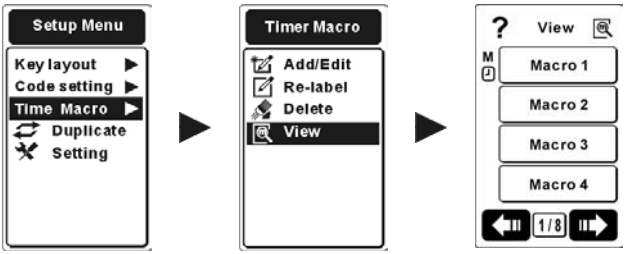
4. 5.

4. Key in the new name for the **Timer Macro**, and then press the Enter button to confirm your decision.
5. The new label for the Timer Macro will show on the list.

Note: *You can also press the "* ***Icon****" key to add different icons to the Timer Macro. (Please refer to P.22 for more detail.)*

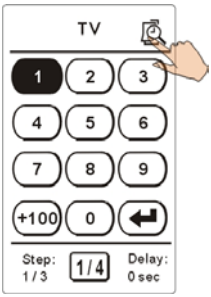
D. View Your Timer Macro

With this function, you are able to view all the Macro commands and the timer in the Timer Macro you selected.



1. 2. 3.

1. Press the MENU Setup button for 2 seconds to enter Setup Menu, and then enter the "**Timer Macro**" menu.
2. Choose the "**view**" item and then you will enter the submenu.
3. Select the Time Macro you intend to view. Press CH+ and CH- to view the commands in turns.



4.

4. Tap the icon to view the timer. If this Macro has no Timer set, the icon will not show.
5. Press the MENU Setup button to return to the former menu.

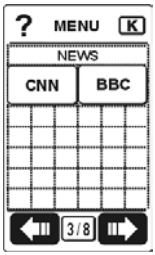
3.12 Set Up Your Favorite Channels

You can use the Macros to save your favorite channels. This enables you to get to your favorite channels just by tapping Macros. There are two main steps you need complete: Add some soft keys as Macros and set these Macros as your favorite channels.

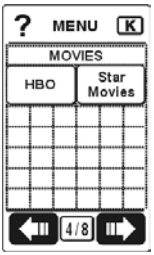
3.12.1 Add Favorite Channel Keys

Decide where your favorite channels will be located. You can create these keys in any device or just in the Main Menu.

1. Refer to Section 3.2 to learn how to add a soft key. You can save similar types of channels on the same page, for example, you can save CNN and BBC on the 3rd page and save HBO and Star Movies on the 4th page.
2. If you like, you can add titles to your favorite channel pages, for example, you can add text "News" to the 3rd page and "Movies" to the 4th page. You can add text "News" to the 3rd page and "Movies" to the 4th page



1.



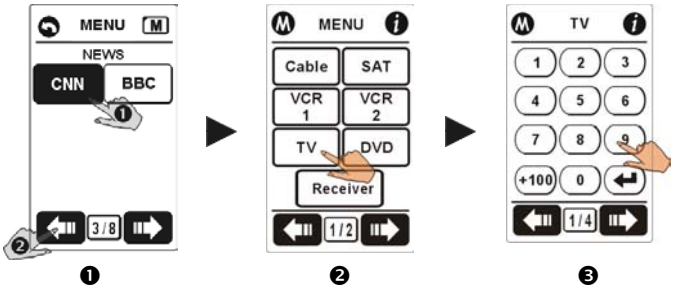
2.

3. Select the Macro start key as "CNN" key, then select TV device to enter 79 channel as the Macro comments. Save the Macro processes by press Enter.
4. You can repeat step 3 to setup "BBC" channel or more Macro as favorite channels.

3.12.2 Set Your Favorite Channels as Macros

This is done in the same way as you set a Macro (refer to 3.11.1 Macro on page 42). Enter "**Macro**" in "**Code Setting**", and then choose one of the soft keys you can just create as your Macro key.

1. Press the MENU Setup button to go back to the MENU list, select "TV" and input the favorite channel number in this Macro key. (ex: CNN channel 97; HBO channel 56)
   ❶Select the CNN key to assign as a Macro start key.
   ❷Change to the pages to the TV device.
   ❸Enter the number 97.



❶ ❷ ❸

2. Follow the procedures as Macro setting processes to set all of your favorite channels.

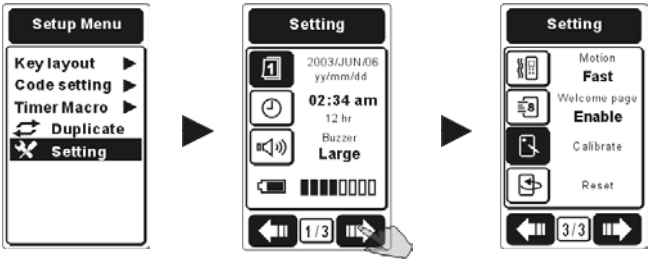
3. After setting the Macros, press the Enter button to save the Macros and exit the setup procedures.

Chapter 4 Menus

4.1 Set Up the Remote

The steps for entering detailed settings in the setting menu are as follows:

1. Press the MENU Setup button for 2 seconds to enter the Setup Menu.
2. Scroll the cursor CH+ or CH- and choose the "**Setting**" item, then press the Enter button for entering the "**Setting**" menu.
3. Select the items as follows to set up your SRC-7000.



2. 3.

4. Press the CH+ or CH- buttons or tap the screen to select the item. The item you select will be marked in black.
5. You can press ◀ or ▶ to change the pages.
6. Press the Enter button to configure the selected item for configuring. Refer to the next page for the detailed configuration information.
7. After you have finished with the settings, please press the Enter button to save your settings.

Date

Use this function to set the date for your remote.

1. Use VOL- or VOL+ to choose the year, month and date.
2. Use CH+ or CH- to change the date values.
3. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Time

Use this function to set the time for your remote.

1. Use VOL- or VOL+ to choose the time system (24hr / 12hr).
2. Use CH+ or CH- to change the time values.
3. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Buzzer

Use this function to set the buzzer volume.

1. Use VOL- or VOL+ to change to the buzzer volume (Off/Small/Medium/Large).
2. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Power

This item indicates the power of the batteries. When the batteries are almost depleted the icon will show on the top-right of the screen.

Contrast

Use this function to set the Display contrast.

1. Use VOL- or VOL+ to make changes to the LCD contrast.
2. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

LCD Off

Use this function to change the idle time (when no functions are used) before turning off the Display.

1. Use VOL- or VOL+ to change the idle time before the LCD turns off.
2. Idle time can be set up to 600 seconds. (Disable/10sec ~600sec).
3. You can use this function to increase battery life (lower time for increased battery life).
4. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Light Sensitivity

Use this function to change the light sensitivity of the SRC-7000.

1. Use VOL- or VOL+ to make changes to the light sensitivity.
2. When the backlight is blanking, it indicates the brightness degree of environment.
3. You can use this function to save battery power. The lower sensitivity the longer battery life.
4. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Light Period

Use this function to change the backlight idle turn off time.

1. Use VOL- or VOL+ to make changes to the idle timer for the backlight. (Off / 1sec ~ 60sec)
2. Backlight can remain on for up to 60 seconds whilst idle.
3. You can use this function to increase battery life (lower the idle time to increase battery life).
4. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Motion

The Motion Detector will sense any movement and turn on the Display automatically. Use this function to change the sensitivity of the Motion detector (Off/Slow/Medium/Fast).

1. Use VOL- or VOL+ to change the sensitivity of the Motion Detector.
2. The more sensitive (eg: Fast), the more easily the SRC-7000 will turn on its LCD.
3. You can use this function to conserve battery power (a faster setting will decrease amounts of accidental activation).
4. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Welcome Page

There will be a welcome page when you use the SRC-7000 for the first time or reset it.

1. Use VOL- or VOL+ to turn the welcome page feature on or off (Enable/Disable).
2. Press Enter to save your settings or press MENU Setup to exit without saving any changes.

Calibrate

Use "**Calibrate**" to adjust the accuracy of the LCD when the SRC-7000 touch screen is not as responsive as usual.

1. When you are calibrating the LCD, tap where the "X" appears (Please refer to Chapter 2.1 P.17 for detailed information).
2. Press MENU Setup to exit without saving any changes.

Reset

1. If you want to reset your SRC-7000, please use this function to erase all of your settings on your remote.
2. After you select this function, a message will appear to confirm your decision, if you still want to reset your remote, tap "Yes". This will reset the SRC-7000 back to the factory defaults.

4.2 Key Layout

Add Device	Use to add your devices to the SRC-7000. You can use "Pre-code" or "Learning" to load the codes for the device (Please refer to Chapter 3.1 Add a Device on page 21).
Add Key	Use to add new keys to your devices on the SRC-7000. You can use "Pre-code" or "Learning" to load the codes for the device (Please refer to 3.2 Add a Soft Key on page 27).
Add Text	Use to add a description for a specific device key or key (Please refer to 3.3 Adding Text on page29).
Re-label	Use to change the label of a specific device key, a key or text. (Please refer to 3.4 Re-label a Device, Key or Text on page 30).
Re-size	Use to resize a specific device key, a key or text. You can also change the location of keys with this function (Please refer to 3.5 Re-size a Device, Key or Text on page 32).
Delete	Use to delete a specific device key or key. This function also deletes both the keys and codes at the same time. (Please refer to 3.6 Delete a Device, Key or Text on page 33)

4.3 Code Setting

Pre-code	Use to load the pre-programmed codes for your devices. (Please refer to 3.7 Pre-programmed Code on page 35).
Learning	Use this function to learn the IR codes from your remotes. (Please refer to 3.8 Learning on page 37).
Macro	Use to add Normal Macros to your SRC-7000. You can use all keys except device keys as your Normal Macros. *You cannot set a timer for a Normal Macro. (Please refer to 3.11 Create a Macro on page 42).
Cycle	Use to add Cycle keys to your SRC-7000. (Please refer to 3.9 Learn a Cycle Key on page 40).
Del. Code	Use to remove the codes set for the devices or keys. Using this will not erase the keys. (Please refer to 3.10 Delete Device/Key Codes on page 41).

4.4 Timer Macro

Add / Edit	Use to add or edit your Timer Macros on your SRC-7000. You can set the Timer for the Macro at the same time. There are 32 sets of Timer Macros you can use. (Please refer to 3.11.2 A. Create a Timer Macro on page 45).
Delete	Use to delete your Timer Macros on your SRC-7000. (Please refer to 3.11.2 B. Delete Your Timer Macro on page 47).
Re-label	Use to rename your Timer Macros on your SRC-7000. (Please refer to 4.4 Re-label Your Timer Macro on page 47).
View	Use to view your Macro/Timer keys on your SRC-7000. You can see all of the commands and the timer saved in each Timer Macro. (Please refer to 3.11.2 D. View Your Timer Macro on page 48).

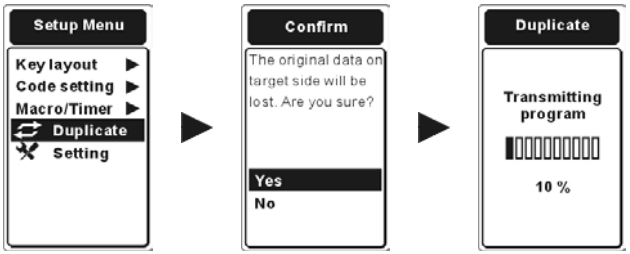
4.5 Duplicate

Duplicate

You can connect two SRC-7000s with the **Transmit Cable** (**Appendix B** P.71) to duplicate the settings on one remote and transfer them to another unit.

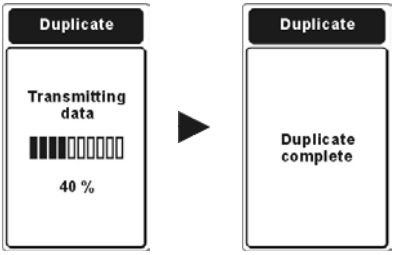
With this function, you are able to transfer your settings to another SRC-7000 using the Transmit Cable.

1. Connect two SRC-7000s, “A” and “B”, by using the Transmit Cable.
2. If you intend to transfer the settings on the SRC-7000 unit “A” to unit “B”, use the SRC-7000 unit “A” to start the duplication.



3. 4. 5.

3. Press the MENU Setup button with unit “A” for 2 seconds to enter the “Setup Menu”, and then select and enter “ **Duplicate”**.
4. On pressing the Enter key, you will see a message to confirm the transfer. If you decide to duplicate these settings, please tap “**Yes**” then the duplication will start.
5. A message will appear to show the progress of the data transmission and duplication.



5 6.

6. If the duplication is completed successfully, a message will show up to tell you the completion. If the duplication is not successful, please repeat from step 1 again.

Note: *If a message "**Duplicate Fail**" shows up, please check the following points:*

a. *The cable is properly connected at both ends.*

b. *The batteries in both remotes with sufficient power.*

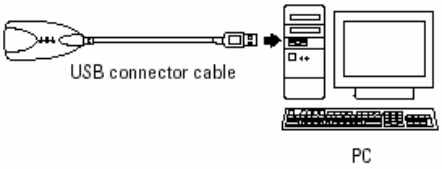
Chapter 5 Install USB Cable and Software

5.1 Introduce SLC-2080 USB Cable

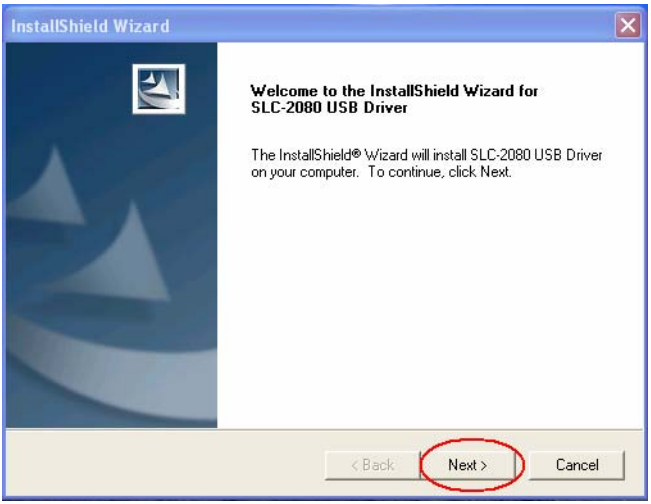
SLC-2080 is a cable that enables the SRC-7000 to connect with a PC. Besides, you can also duplicate the settings in one SRC-7000 and transfer data to another SRC-7000 by this cable.

5.1.1 Install the SLC-2080 USB Driver

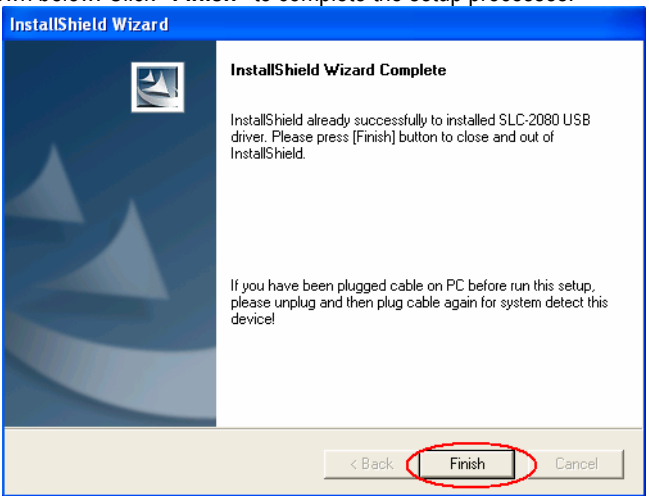
1. Locate the SLC-2080 USB driver from the CD enclosed with the package, or download the driver from http://www.sun-wave.com .
2. Connect the supplied USB connector cable to the USB port of the PC.



3. Double click the icon “SLC-2080 USB_driver” to start the installation. When the InstallShield Wizard welcome window shows up, click “Next” to start installation.



2. After the program has finished installing the driver, a window will appear as shown below. Click **"Finish"** to complete the setup processes.

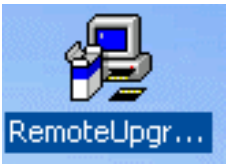


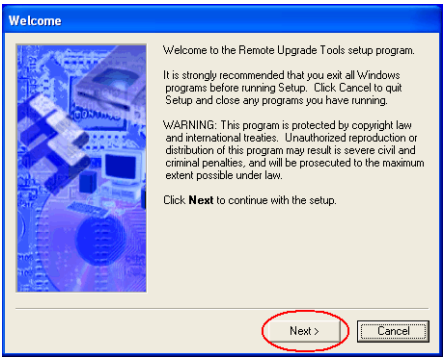
The SLC-2080 USB driver is installed completely.

5.2 Install Upgrade Tools

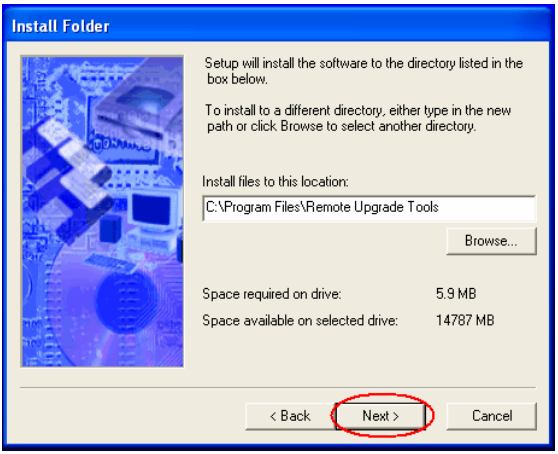
The Upgrade Tools enable you to upgrade your firmware and pre-programmed codes through the internet.

1. Locate the program from the CD enclosed with the package or download the program from http://www.sun-wave.com
2. Double click the icon below to install Upgrade Tools, and you will see the window below. Click "**Next**" to continue.

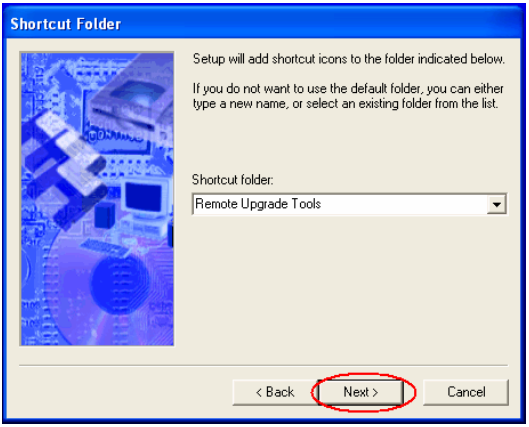




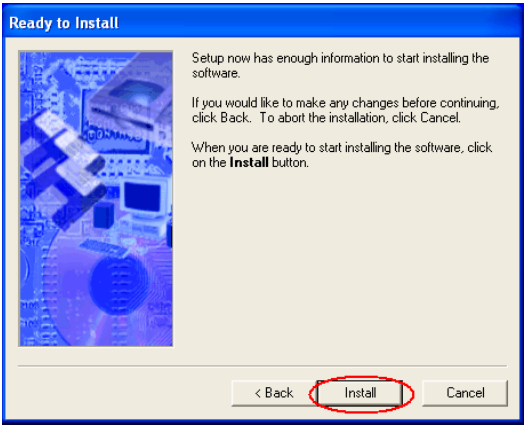
3. Choose the directory you wish the program to be installed into then click "**Next**".

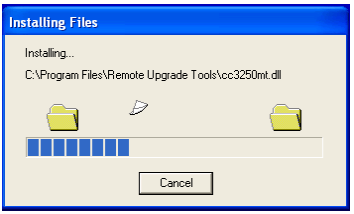


4. Choose a Start menu folder for your Upgrade Tools shortcuts then click "**Next**".

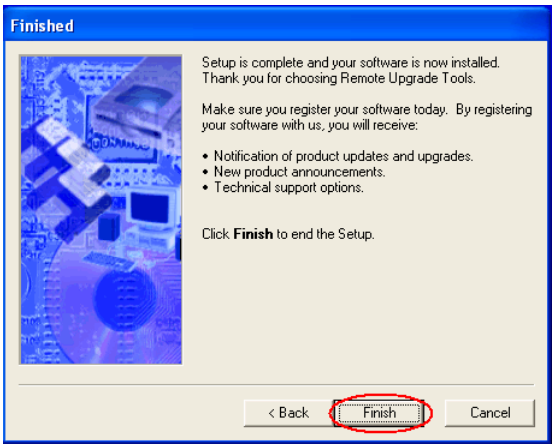


5. After finishing all steps above, click "**Install**" to start installing the program.





6. You have now successfully installed Upgrade Tools. Click "**Finis**h" to exit the installation.



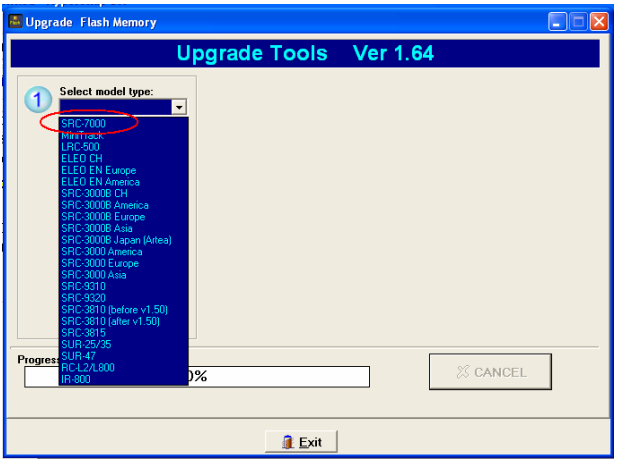
5.3 Upgrade VMCU Firmware and VMCF Pre-programmed Codes

With the SLC-2080 and the Upgrade Tools, you can easily upgrade your SRC-7000 via Internet. There are two types of files you can upgrade: VMCU Firmware and VMCF Pre-programmed Codes.

A. VMCU Firmware: This file controls the operation of the SRC-7000. You can load updated VMCU Firmware files to allow your SRC-7000 to operate more effectively.

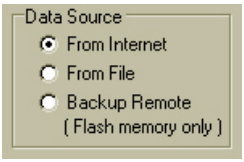
B. VMCF Pre-programmed Codes: This file is the database of pre-programmed codes. SUNWAVE continues to acquire new codes from around the world and then updates the database for customers. You can download the latest pre-programmed codes for your SRC-7000.

1. Load your Upgrade Tools program, then connect your SRC-7000 to your PC with the SLC-2080 USB cable.
2. Select SRC-7000 from the "**model type**" item (①).



3. Select "**Data Source**" you will load the files from :

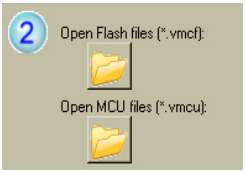
*** From Internet**



This option will download the latest database files from Internet. The PC needs to be connected with Internet.

Please refer to step 4 for following procedure.

*** From File**



Select this option will load the data from existing *.vmcu / *.vmcf file.

Open the file which you selected and download the data into the remote control.

*** Backup Remote**

Select this option will back up your settings. Connect your SRC-7000 with PC then click the "**Backup**" key to start it.

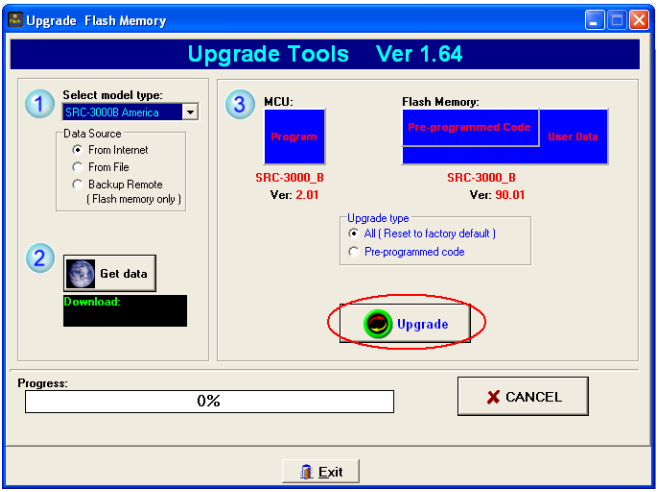
Click "OK" to complete the setup processes. Save the ***.vmcf** file in your PC to complete the processes.

4. Click "**Get data**" button to load the files from hint②, and an "OK" message will be shown when the program gets the data from Internet.

5. There are two choices in "**Upgrade type**", "All (Reset to factory default)" and "Pre-programmed code"

- If you select "**All (Reset to factory default)**", you will upgrade your pre-programmed code database and erase all your settings on the SRC-7000 simultaneously.
- If you select "**Pre-programmed code**", you will upgrade your pre-programmed code database and keep your settings on the SRC-7000.

6. After selecting the "**Update type**", click the "Upgrade" button to start the updating process.



7. You will see "OK" message after completion.

Appendix A

Features

- **64 Devices in One:** 64 in 1 remote control, no more running out of device buttons.
- **Customization:** Users can customize the size, text or icon for buttons.
- **Pre-Programmed Code:** Users can access the specific codes for their devices from pre-programmed codes.
- **Powerful Learning Function:** The SRC-7000 is able to copy almost all IR codes by its powerful learning function.
- **Two Types of Operation Interface:** Users have the flexibility of using a combination of soft keys and/or rubber keys.
- **Smart Learning Guide:** The SRC-7000 automatically guides you to learn all of the control buttons systematically.
- **Macro Key:** Each Macro key can store up to 60 commands, including time delays. You can also create or modify the name of a Macro.
- **Cycle Key:** Each Cycle key can store up to 6 IR codes.
- **Timer Macro:** Users can combine the Timer function with the Macro function to send commands at a specific time, this way you will never miss anything you wish to record.
- **Brilliant Backlight:** It will automatically detect the environment's brightness and light up the LED backlight auxiliary illumination.
- **Motion Detector:** The motion detector enables the LCD to turn on automatically by sensing any motion.
- **Rechargeable Batteries:** With optional SDS-7000 docking station users can recharge the batteries easily with Ni-MH AAA rechargeable batteries.
- **Flash Upgradeable Software:** Users are capable of upgrading the latest operation and application software for the SRC-7000.
- **Powerful RemoteComm Program:** "RemoteComm" is a free software package that can be find in the CD package or downloaded from www.sun-wave.com for further customization of the SRC-7000. Users can edit any function, text, input icons or create their own database easily by using the RemoteComm software.

Specifications

Model	**SRC-7000**
Battery	3 x AAA 1.5V Alkaline batteries or Ni-MH rechargeable batteries (not included)
Dimensions (WxHxD)	2.7" x 8.3" x 0.9" / 68 x 210 x 24 mm)
Weight	6 oz / 170g (without batteries)
Keys	64 Keys / 8 Pages
Display	Touch liquid crystal display
LCD Resolution	160 x 105 black/white dot matrix LCD.
LCD Screen (WxH)	1.7" x 2.8" / 4.2.4 x 70.6 mm
Remote Capability	64 in one
Display Types	TV, DSS, SAT, cable, VCR, DVD, AMP, Tape, Tuner, CD, AUX
Learning Frequency	20 KHz ~ 455 KHz & Pulse up to 256 bits long
Learning Distance	2" up to 6" / 5 cm up to 15cm
IR Operating Distance	30~45 feet / 10-15 meters, 35°~45°
Memory	1 M bytes non-volatile flash memory
Backlight	Brilliant LED (LCD screen & hard buttons)
Power Management	Automatic on/off
Interface	UART / 115,200bps (with SLC-2080 USB cable, optional)
Optional Accessories	SLC-2080 USB cable (optional) SDS-7000 docking station (optional)
Power Consumption	Operation current 30 ~ 150mA (max) LCD on current 750μA LCD off current 20μA

Appendix B

Optional Accessories

SLC-2080

USB Cable

Transmit Cable

The SLC-2080 is an optional USB cable that enables transmission of system setup between a PC and the SRC-7000. With the Transmit Cable, the SRC-7000 also can duplicate the user setup data from one unit to another.

RemoteComm: With the "RemoteComm" software, users can customize the remote control text, icon, create macros and setup timers.

Upgrade Tools: With the "Upgrade Tools", users can upgrade the MCU program and Pre-programmed Codes (Refer to 5.3 Upgrade VMCU Firmware and VMCF Pre-programmed Codes on P. 66).

Duplicate: By connecting a "**Transmit Cable**" between two SRC-7000s, you can duplicate settings and functions from one SRC-7000 to another.

"**RemoteComm**" & "**Upgrade Tools**" software are including the CD package or can be downloaded free from www.sun-wave.com .

SDS-7000

SDS-7000 Docking Station

The optional SDS-7000 docking station is a convenient way of recharging batteries. The package includes the docking station, 3 Ni-MH AAA rechargeable batteries and an adapter.

Appendix C

Troubleshooting Tables

Problem	Solution
LCD does not show anything when you touch it.	• Batteries may be dead. • Replace the batteries with three new AAA Alkaline batteries. • Check the batteries are properly insert with the + - indications. • Reset the SRC-7000 by press the reset switch. (P.9 ❷.)
The SRC-7000 doesn't operate a device.	• Make sure that the desired device on the SRC-7000 LCD panel has been selected. • Move SRC-7000 closer to the device. The maximum operating distance is approximately 10 meters (30 feet). • Ensure that you are aiming the SRC-7000 directly at the device and there are no obstructions between the SRC-7000 and the device. • Ensure that you have correctly used the learning function to configure the device or the Pre-Programmed Code has been properly applied. • Re-teach the malfunctioning key. • The device has already plugged the power.
You cannot operate a device even after teaching the device by using the learning function.	• Make sure that your SRC-7000 has correctly learned the target device's remote control code. • Delete the device data from the SRC-7000 and carry out the learning function again. • Make sure you did not program more than one remote for a given device.
You see an "**error**" display on the LCD screen during the learning procedure.	• Make sure you hold the target remote's key till the screen displays OK or Error on the screen. • Make sure the two remotes are not too close or too far apart – keep them about 2~4 inches (5~10 cm) apart, and your device remote control is aimed directly at the SRC-7000's learning eye. • The batteries are sufficient with both SRC-7000 & the target remote control.

Problem	Solution
You see an "**error**" display during operation.	• The key that you pressed has not been taught or input the IR code. • Teach the key via learning procedure. (P.37)
IR Learning is not successful.	• Do not use the learn function near an incandescent lamp. • Memory capacity is full (64 keys for each device.). • Replace new batteries in the SRC-7000 and the remote you are trying to configure. • Keep the learning distance between the remote control and SRC-7000's learning eye about 2~4 inches apart (5-10cm). • The learning process has no errors, but you still can't control your target devices: - The battery in the target remote doesn't have enough power. - Original remote might not be compatible with learning procedure. Repeat the learning procedure again. - If you still can't solve the problem, contact SUNWAVE for help.
Macro does not work.	• Be sure to aim the SRC-7000 at the devices while the Macro commands are being sent. • Macro was not properly set up. Repeat macro set-up procedure. (P.42)
A key of your existing remote performs two or more functions	• Some remotes issue multiple commands when a key is held down. Please be sure to teach different keys of SRC-7000 for these different commands. • Each key of SRC-7000 can learn 6 commands in a Cycle key. (P.40)
The LCD screen turns off.	• The SRC-7000 is preset automatically to switch the LCD off after 1 minute by default if left unused. You can also setup the idle time to turns off the LCD. (P.54) • You can turn on the SRC-7000 again as followed: - Tap the touch screen - Pick up the SRC-7000 - Press the hard key
The touch panel isn't sensitivity	• Please re-calibrate your touch panel (P.17)